

#2

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PATENT APPLICATION: US/09/728,309DATE: 12/21/2000
TIME: 10:00:10Input Set : A:\18136-1050.txt
Output Set: N:\CRF3\12212000\I728309.raw

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3 <110> APPLICANT: Zhang, Jian
4 Herman, Ronald
6 <120> TITLE OF INVENTION: Human VNO Receptor (R1)
8 <130> FILE REFERENCE: 18136-1050
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/728,309
C--> 10 <141> CURRENT FILING DATE: 2000-11-30
10 <160> NUMBER OF SEQ ID NOS: 8
12 <170> SOFTWARE: PatentIn version 3.0
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16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
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26 tggaaattca gcaaacacca tctctcttct ttccacac ttcacctttg ttttcagtca 240
28 cagggtctaag tccattgaca tgataattag tcacctgtct ctcatccaca tactgctgct 300
30 ctccactcag gcaatattgg tgcctctaga ctctcttggg tcacagaata ctccaggatga 360
32 tcttaggtat aaggctcatt tctttttaa caaggtgatg aggggcctct ccatctgcac 420
34 cccctgcctc ctgagtggtc tccagggcat catcagcccc agcatcttct ccttggcaaa 480
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69 gatgatcaaa ctctcttggg ttattaccat acaaatcttc ttlatccac aagccagctt 180
71 tggaaattca gcaaacacca tctctcttct ttccacac ttcacctttg ttttcagtca 240
73 cagggtctaag tccattgaca tgataattag tcacctgtct ctcatccaca tactgctgct 300
75 ctccactcag gcaatattgg tgcctctaga ctctcttggg tcacagaata ctccaggatga 360
77 tcttaggtat aaggctcatt tctttttaa caaggtgatg aggggcctct ccatctgcac 420
79 cccctgcctc ctgagtggtc tccagggcat catcagcccc agcatcttct ccttggcaaa 480
81 gctcaaacat ccttctgcaa gtccatctct aggtattctt ctcttctcat gggctctcaa 540
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85 gtcttctgtt tgcatacag cactgttctt ttttgcctat gagctacacc cacaggagac 660
87 tgtttttcac actaatgact ttgagggatg tcacctltal agggttcatg gtcctctcaa 720
89 gaggtacat ggtgattatt ttatacagac aataagaggg tatctcaqtg ccttcacaca 780
91 gccagcctgt ccccgagtct caccagtga aagagcctcc caggctatct tactgtctgt 840
93 gagttttgtc ttacataact ggttggactt tacgttctca ttttcaggag gtgtgacatg 900
95 gataaatgat tctctgctag tgtggctcca ggttattgtg gccaalayct atgccgcuat 960
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115 20 25 30
117 Pro Ser Lys Met Ile Lys Leu Pro Gly Phe Ile Thr Ile Gln Ile Phe
118 35 40 45
120 Phe Tyr Pro Gln Ala Ser Phe Gly Ile Ser Ala Asn Thr Ile Leu Leu
121 50 55 60
123 Leu Phe His Ile Phe Thr Phe Val Phe Ser His Arg Ser Lys Ser Ile
124 65 70 75 80
126 Asp Met Ile Ile Ser His Leu Ser Leu Ile His Ile Leu Leu Leu Phe
127 85 90 95
129 Thr Gln Ala Ile Leu Val Ser Leu Asp Phe Phe Gly Ser Gln Asn Thr
130 100 105 110
132 Gln Asp Asp Leu Arg Tyr Lys Val Ile Val Phe Leu Asn Lys Val Met
133 115 120 125
135 Arg Gly Leu Ser Ile Cys Thr Pro Cys Leu Leu Ser Val Leu Gln Ala
136 130 135 140
138 Ile Ile Ser Pro Ser Ile Phe Ser Leu Ala Lys Leu Lys His Pro Ser
139 145 150 155 160
141 Ala Ser His Ile Leu Gly Phe Phe Leu Phe Ser Trp Val Leu Asn Met
142 165 170 175
144 Phe Ile Gly Val Ile Phe Cys Cys Thr Leu Arg Leu Pro Pro Val Lys
145 180 185 190
147 Arg Gly Gln Ser Ser Val Cys His Thr Ala Leu Phe Leu Phe Ala His
148 195 200 205
150 Glu Leu His Pro Gln Glu Thr Val Phe His Thr Asn Asp Phe Glu Gly
151 210 215 220
153 Cys His Leu Tyr Arg Val His Gly Pro Leu Lys Arg Leu His Gly Asp
154 225 230 235 240
156 Tyr Phe Ile Gln Thr Ile Arg Gly Tyr Leu Ser Ala Phe Thr Gln Pro
157 245 250 255
159 Ala Cys Pro Arg Val Ser Pro Val Lys Arg Ala Ser Gln Ala Ile Leu
160 260 265 270
162 Leu Leu Val Ser Phe Val Phe Thr Tyr Trp Val Asp Phe Thr Phe Ser

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165 Phe Ser Gly Gly Val Thr Trp Ile Asn Asp Ser Leu Leu Val Trp Leu
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169 305          310          315          320
171 Ile Tyr Ala Asp Asn Gln Ile Phe Lys Thr Leu Gln Met Leu Trp Phe
172          325          330          335
174 Lys Tyr Leu Ser Pro Pro Lys Leu Met Leu Lys Phe Asn Arg Gln Cys
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183 <213> ORGANISM: Homo sapiens
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191          20          25          30
193 Phe Ile Thr Ile Gln Ile Phe Phe Tyr Pro Gln Ala Ser Phe Gly Ile
194          35          40          45
196 Ser Ala Asn Thr Ile Leu Leu Phe His Ile Phe Thr Phe Val Phe
197          50          55          60
199 Ser His Arg Ser Lys Ser Ile Asp Met Ile Ile Ser His Leu Ser Leu
200 65          70          75          80
202 Ile His Ile Leu Leu Leu Phe Thr Gln Ala Ile Leu Val Ser Leu Asp
203          85          90          95
205 Phe Phe Gly Ser Gln Asn Thr Gln Asp Asp Leu Arg Tyr Lys Val Ile
206          100          105          110
208 Val Phe Leu Asn Lys Val Met Arg Gly Leu Ser Ile Cys Thr Pro Cys
209          115          120          125
211 Leu Leu Ser Val Leu Gln Ala Ile Ile Ser Pro Ser Ile Phe Ser Leu
212          130          135          140
214 Ala Lys Leu Lys His Pro Ser Ala Ser His Ile Leu Gly Phe Phe Leu
215 145          150          155          160
217 Phe Ser Trp Val Leu Asn Met Phe Ile Gly Val Ile Phe Cys Cys Thr
218          165          170          175
220 Leu Arg Leu Pro Pro Val Lys Arg Gly Gln Ser Ser Val Cys His Thr
221          180          185          190
223 Ala Leu Phe Leu Phe Ala His Glu Leu His Pro Gln Glu Thr Val Phe
224          195          200          205
226 His Thr Asn Asp Phe Glu Gly Cys His Leu Tyr Arg Val His Gly Pro
227          210          215          220
229 Leu Lys Arg Leu His Gly Asp Tyr Phe Ile Gln Thr Ile Arg Gly Tyr
230 225          230          235          240
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239          275          280          285
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242          290          295          300
244 Ala Ile Ser Pro Leu Met Leu Ile Tyr Ala Asp Asn Gln Ile Phe Lys
245 305          310          315          320
247 Thr Leu Gln Met Leu Trp Phe Lys Tyr Leu Ser Pro Pro Lys Leu Met
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263 ggttttatta ccatataaat cttcttttat ccacaagcca gcttttgaat ttcaqcaaac      180
265 accatccttc ttcttttcca catcttcacc ttgtttttca qtcacaggtc taagtcctat      240
267 gacatgataa ttatgcacct gtctctcacc cacatactgc tgctcttcac tcaggcaata      300
269 ttggtgtcct tagacttctt tgggttcacag aatactcagg atgactcttag gtataaggtc      360
271 attgtctttt taaacaaggt gatgaggggc ctctccatct gcaccccctg cctcctgagt      420
273 gtgtctcagg ccactcatcag cccacgcacc ttctccttgg caaagctcaa acatccttct      480
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277 atcttctgct gtacactgcg gtaaccccca gtgaaacqgg gccagtcttc tgtttgtcat      600
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291 atttatgctg ataaccacaa attcaagact ctgcaaatgt tatggtttaa atatttgtct      1020
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date